

The Invention Claimed Is

1. A method of forming a hollow cylindrical dynamo-electric machine stator core comprising:

supplying first and second strips of source material;

applying pressure to the first strip in order to modify an axial length dimension of the first strip;

helically coiling the first strip to produce a first helical coil;

helically coiling the second strip to produce a second helical coil; and

assembling the first and second helical coils substantially coaxially with one another and axially spaced from one another by an annular lamination which is also substantially coaxial with the first and second coils to produce the hollow cylindrical dynamo-electric machine stator core.

2. The method defined in claim 1 wherein the applying comprises:

passing the first strip through a nip between pressure rollers.

3. The method defined in claim 1 further comprising:

measuring a dimension of the first helical coil; and

controlling the pressure to the first strip based at least in part on the dimension.

4. The method defined in claim 3 wherein the dimension is an internal diameter of the first helical coil.

5. The method defined in claim 1 further comprising:

applying pressure to the second strip in order to modify an axial length dimension of the second strip.

6. A method of forming a hollow cylindrical dynamo-electric machine stator core comprising:

supplying first and second strips of source material;

applying pressure to at least one of the first and second strips in order to modify an axial length dimension of the one strip;

superimposing the first and second strips on one another to produce a composite strip; and

helically coiling the composite strip to produce the hollow cylindrical dynamo-electric machine stator core.

7. The method defined in claim 6 wherein the applying comprises:

passing the one strip through a nip between pressure rollers.

8. The method defined in claim 6 further comprising:

measuring a dimension of the stator core; and

controlling the pressure based at least in part on the dimension.

9. The method defined in claim 8 wherein the dimension is an internal diameter of the stator core.

10. A method of forming a hollow cylindrical dynamo-electric machine stator core comprising:

supplying first and second strips of source material;

applying pressure to the first strip in order to modify an axial length dimension of the first strip;

applying pressure to the second strip in order to modify an axial length dimension of the second strip;

superimposing the first and second strips on one another to produce a composite strip; and

helically coiling the composite strip to produce the hollow cylindrical dynamo-electric machine stator core.